

Converting Colors

`RYB(166, 226, 181)`

Have a look what the booklet for
RYB(166, 226, 181) contains.

RYB(166, 226, 181)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(166, 226, 181)

Conversions

Conversions Part 1

Format	Color
Hex	D3E2A6
RGB	211, 226, 166
RGB Percent	83%, 89%, 65%
CMY	0.1725, 0.1137, 0.3490
CMYK	0.07, 0.00, 0.27, 0.11
HSL	75°, 51%, 77%
HSV	75°, 27%, 89%
XYZ	60.9433, 70.9948, 46.5677
YIQ	214.6750, 10.3200, -21.8400

Conversions

Conversions Part 2

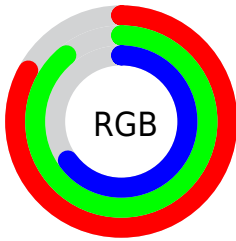
Format	Color
RYB	166, 226, 181
Decimal	13886118
CIELab	87.48, -14.89, 27.73
CIELCh	87, 31.478, 118.234
Yxy	70.9948, 0.3414, 0.3977
Android (android.graphics.Color)	4292076198 (0xFFD3E2A6)
YUV	214.6750, -23.9968, -3.2230
Hunter-Lab	84.2584, -18.3449, 26.2126

Details

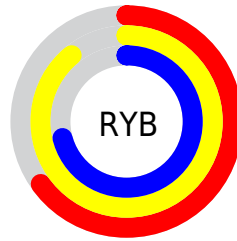
The RYB color **166, 226, 181** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **181, 166, 226**, and the grayscale version is **215, 215, 215**.

A 20% lighter version of the original color is **221, 255, 221**, and **114, 171, 129** is the 20% darker color. If you saturate the color by 10%, you get **143, 226, 164**, and if you desaturate by 10%, it is **189, 226, 198**.

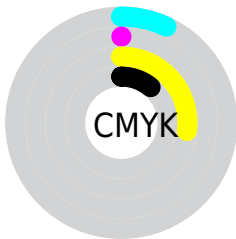
Distribution



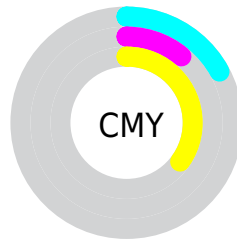
- Red (83%)
- Green (89%)
- Blue (65%)



- Red (65%)
- Yellow (89%)
- Blue (71%)



- Cyan (7%)
- Magenta (0%)
- Yellow (27%)
- Black (11%)



- Cyan (17%)
- Magenta (11%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the RYB color 166, 226, 181 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 166, 226, 181 by changing the saturation by 10% instead.


 166, 226, 181

255, 255, 255


 221, 255, 221

 250, 255, 250

 166, 226, 181

 139, 198, 154

 114, 171, 129

 89, 144, 104

 65, 119, 80

 42, 94, 57

 19, 70, 34

 0, 48, 14

 0, 28, 25


 0, 0, 0


 166, 226, 181

 166, 226, 181

 143, 226, 164

 189, 226, 198

 121, 226, 147

 211, 226, 215

 98, 226, 130

 228, 226, 234

 76, 226, 114

 234, 226, 255


 53, 226, 96

 239, 226, 255

 30, 226, 79

 245, 226, 255

 8, 226, 63

 251, 226, 255

 0, 226, 56

 255, 226, 255

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



198, 243, 160



166, 226, 181



177, 225, 233

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



166, 226, 181



143, 192, 255



255, 198, 222

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



166, 226, 181



181, 166, 226

Split Complementary

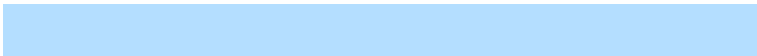
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 203, 251



166, 226, 181



180, 207, 255

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



166, 226, 181



130, 185, 246



222, 212, 255



255, 200, 192

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



166, 226, 181



155, 204, 235



222, 212, 255



255, 199, 232

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



166, 226, 181



235, 255, 240



226, 186, 166



115, 128, 119



0, 0, 0



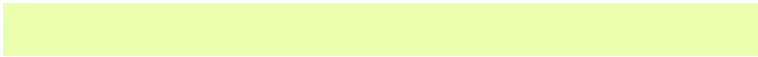
128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



166, 226, 181



173, 255, 193



166, 226, 211



101, 112, 104



0, 176, 44



0, 48, 12

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



181, 166, 226



194, 173, 255



211, 166, 226



104, 101, 112



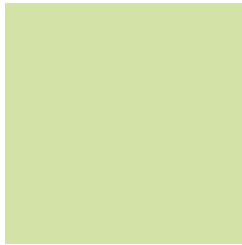
44, 0, 176



12, 0, 48

Previews

White Background



This preview shows how the RYB color 166, 226, 181 looks on a white background.

Color Contrast Check

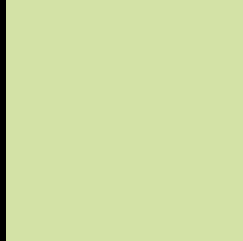
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 166, 226, 181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 166, 226, 181 Background



This preview shows how black text looks on a background with the RYB color 166, 226, 181.

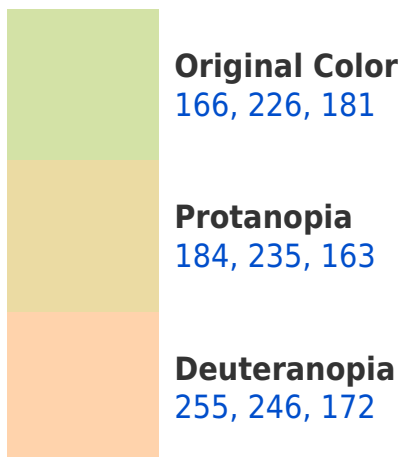


This preview shows how white text looks on a background with the RYB color 166, 226, 181.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia

220, 217, 234

Trichromacy



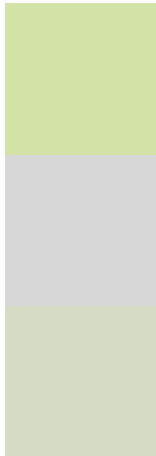
Original Color
166, 226, 181

Protanomaly
168, 226, 164

Deuteranomaly
205, 239, 170

Tritanomaly
209, 220, 212

Monochromacy



Original Color
166, 226, 181

Achromatopsia
215, 215, 215

Achromatomaly
197, 219, 202

CSS Examples

Text

The CSS property to change the color of the text to RYB 166, 226, 181 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(211, 226, 166)` looks like.

```
.text, #text, p{  
    color:rgb(211, 226, 166)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(211, 226, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 226, 166) }
```

Border

The CSS property to change the border of an element to RYB 166, 226, 181 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(211, 226, 166) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(211, 226, 166) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(211, 226, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(211, 226, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(211, 226, 166); box-shadow:4px 4px 4px 4px rgb(211, 226, 166) }
```

Background

The CSS property to change the background color of an element to RYB 166, 226, 181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 226, 166) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(211,  
226, 166) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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